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## AMENDMENTS TO THE SPECIFICATION

**Please amend the following paragraph beginning at page 14, line 32 as follows.**

When  $f$  is a function symbol used for the axiom, a set of terms  $L(A_{i+1}/AC)$  can be calculated by a method that is Rohit Parikh technique extended for tree-structure data. When  $f$  is not a function symbol used for the axiom,  $A_{i+1}$  can be calculated on the basis of  $A_i$  by the method introduced in the above thesis described document by Y. Kaji et al, i.e., "Solving a Unification Problem under Constrained Substitutions Using Tree Automata" (Journal of Symbolic Computation 23 (1), pp. 79-117, 1997). Thereafter, calculation is performed until the repetition condition is satisfied so that the pretreatment of the terms that match the left-hand side (corresponding to 1) of the rewriting rule is completed and the next process is executed.